Access DB# 123533

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: SUSY Art Unit: 1745 Phone I Mail Box and Bldg/Room Location	Tsang-Foster Number 19571-272- n: REMSEN Resu 6 D 7 5	Examiner #: 76063 Date: 6/2/6/1293 Serial Number: 10/009, 216 ults Format Preferred (circle): PAPER DISK	E-MAIL
If more than one search is subm	nitted, please prioritiz	ze searches in order of need.	
Please provide a detailed statement of the Include the elected species or structures, k	search topic, and describe keywords, synonyms, acror that may have a special me	**************************************	ched.
Title of Invention: Lithium	Secondary &	Battery	
Title of Invention:	Please See	attached sheet	
Earliest Priority Filing Date: Fe	6 16,2001		
		parent, child, divisional, or issued patent numbers) along v	vith the
and for a lith	ium sevondary	(who known as rechargeable) box	Hery.
side al	ochade a negati	it electrode, and a separation	/
comprising a position	lyte solution	containing a lithum compo	rund
a nomaqueous odon	intrarace at 1	least one of the positive e	lectrode,
as an electrolyte	wrierech al	cator and the nonagulous	,
the negative election	ic, the sipo	rator and the nongyueous	anic
absorbed solution	contains a	Compound nowly "	
huse and and was	same acid W	with art would are your	
//	nunce Shelder	Alleston at the	
Mawin on paci 17	of the specific	carin, first paragraph (see	
attached shelt 17,) Specific es	carron, first paragraph (see xample) of the compound	
l. (1	el two mulas	$\frac{1}{2}$	
- 111 CO.	Le cotto m	the similar	
page 1+ of the spe	T-117 A	re ouren on pages	
Chemical Formula		17-19	
17-19 of the spe	uplation ()	Le wat acres piges	20
of the specificat	im. Iha	re given on pages le attached pages 17-19 please al who you. See general	claim.
STAFF USE ONLY_	*******	***************	· (attached)
earcher: A. Tuller	Type of Search NA Sequence (#)	Vendors and cost where applicable	Applicant
earcher Phone #:	AA Sequence (#)	Dialog	elected
earcher Location:	Structure (#)	Questel/Orbit	- compound - (b)
Pate Searcher Picked Up:	Bibliographic	Dr.Link	- Ir
Pate Completed: 6/3/04	Litigation	Lexis/Nexis	_ glaim 1
earcher Prep & Review Time: 30	Fulltext	Sequence Systems	- 3
Prical Prep Time:	Patent Family	WWW/Internet	_
nline Time:	Other	Other (specify)	_
TO-1590 (8-01)	:		



STIC Search Report

STIC Database Tracking Number: 123533

TO: Susy Tsang-Foster Location: REMSEN 6D75

Art Unit : 1745 June 3, 2004

Case Serial Number: 10/009216

From: Kathleen Fuller Location: EIC 1700 REMSEN 4B28

Phone: 571/272-2505

Kathleen.Fuller@uspto.gov

Search Notes

I searched	for the specific compounds 1-VI u	sed in a battery or electrolyte.	Only the applicant w	as a good
reference.	I also text searched for the concep	pt of 1b.	7 11	6



10/009,216

	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment s	Error Definition	ro
1	BRS	L3	3	((429/231.95,326,324, 312,339,340,341,328,2 24,231.1,212).CCLS.) and ((organic near3 (base or basic)) near3 salt)	USPA T; US-P GPUB	2004/05/2 4 16:36			0
2	BRS	L4	8	((429/231.95,326,324, 312,339,340,341,328,2 24,231.1,212).CCLS.) and ((dipolar adj2 ion) (zwitterion))	USPA T; US-P GPUB	2004/05/2 4 16:36			0
3	BRS	L 5	11	3 4	USPA T; US-P GPUB	2004/05/2 4 16:59	Hith to		0
4	BRS	L21	9726	salt with nitrogen with (heterocycl\$3 ring)	USPA T; US-P GPUB	2004/05/2 4 17:49			0
5	BRS	L22	804	21 and (cation\$3 with nitrogen with (heterocycl\$3 ring))	USPA T; US-P GPUB	2004/05/2 4 17:48			0
6	BRS	L23	52	22 and ((sulfate sulphate sulfuric sulphuric sulfonate\$1 sulphonat\$1) with salt with nitrogen with (heterocycl\$3 ring))	USPA T; US-P GPUB	2004/05/2 4 17:48			0
7	BR <i>S</i>	L24	43	22 and ((chloride hydrochloride (hydrogen adj chloride)) with salt with nitrogen with (heterocycl\$3 ring))	USPA T; US-P GPUB	2004/05/2 4 17:48			0
8	BRS	L25	85	23 24	USPA T; US-P GPUB	2004/05/2 4 17:49	1		0
9	BRS	L26	1	25 and H01M\$8	USPA T; US-P GPUB	2004/05/2 4 17:49			0
10	BRS	L27	23	25 and lithium	USPA T; US-P GPUB	2004/05/2 4 17:50			0
11	BRS	L28	1	ceii))	USPA T; US-P GPUB	2004/05/2 4 17:51			0
12	BRS	L30		(reaction product) with acid with (nitrogen amine amino amide) with (ring heterocycl\$3)	USPA T; US-P GPUB	2004/05/2 4 18:10			0
13	BRS	L31		amine amino amide) near3 (ring	USPA T; US-P GPUB	2004/05/2 4 17:58			0

	Type	L#	Hits	Search Text	DBs	Time Stamp	Comment s	Error Definition	Er ro
14	BRS	L32		31 and H01M\$8	USPA T; US-P GPUB	2004/05/2 4 17:53			0
15	BRS	L33	5	31 and (lithium near3 (cell battery))	USPA T; US-P GPUB	2004/05/2 4 18:02			0
16	BRS	L34	11	H01M\$8 and (zwitterion (dipolar adj2 ion))	USPA T; US-P GPUB	2004/05/2 4 18:05			0
17	BRS	L35	11	34 and lithium	USPA T; US-P GPUB	2004/05/2 4 18:03			0
18	BRS	L36	11	34 and (lithium li-ion lithium-ion)	USPA T; US-P GPUB	2004/05/2 4 18:03	11. 10. 11. 11. 11. 11. 11. 11. 11. 11.		0
19	BRS	L37	6	(li adj2 (cell battery)) and (zwitterion (dipolar adj2 ion))	USPA T; US-P GPUB	2004/05/2 4 18:05		71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0
20	BRS	L38	22	((li-ion lithium lithium-ion) adj2 (cell battery)) and (zwitterion (dipolar adj2 ion))	USPA T; US-P GPUB	2004/05/2 4 18:07	THE RISE STATE STA	er ur stammelle kandadekselen	0
21	BRS	L39	22	37 38	USPA T; US-P GPUB	2004/05/2 4 18:06	1944 (1946 1946) brann selver anna n ann an	4 ()	0
22	BRS	L40	13	39 not 36		2004/05/2 4 18:06			0
23	BRS	L41	0	((li-ion lithium lithium-ion) adj2 (cell battery)) and (zwitterion (dipolar adj2 ion))	EPO; JPO; DERW ENT	2004/05/2 4 18:12			0
24	BRS	L42	4	H01M\$9 and (zwitterion (dipolar adj2 ion))		2004/05/2 4 18:08		A-00-0	0
25	BRS	L43	1577	(reaction product) with acid with (nitrogen amine amino amide) with (ring heterocycl\$3)		2004/05/2 4 18:12			0
26	BRS	L44	1			2004/05/2 4 18:10		The state of the s	0
27	BRS :	L45	0	lithium lithium-ion) adi2 (cell battery)		2004/05/2 4 18:12			0

	Туре	L#	Hits	Search Text	DBs	Time Stamp	Comment s	Error Definition	Er ro rs
28	BRS	L46	4171	(salt) with acid with (nitrogen amine amino amide) with (ring heterocycl\$3)	JPO;	2004/05/2 4 18:12			0
29	BRS	L47	1	: 1 F D 1 1 1 M	;	2004/05/2 4 18:12			0

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